



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0108.3US	SERIAL NO. 10/068,718
	APPLICANT David K. Mesecher	
	FILING DATE February 6, 2002	GROUP 2637

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
UB	3,662,268	05/1972	Gans et al.			
	4,736,460	04/1988	Rilling			
	4,901,307	02/1990	Gilhousen et al.			
	5,146,475	09/1992	Kubo			
	5,319,677	06/1994	Kim			
	5,331,666	07/1994	Dent			
	5,381,443	01/1995	Borth et al.			
	5,457,704	10/1995	Hoehner et al.			
	5,493,563	02/1996	Rozanski et al.			
	5,623,511	04/1997	Bar-David et al.			
	5,652,764	07/1997	Kanzaki et al.			
	5,673,294	09/1997	Namekata			
	5,680,419	10/1997	Bottomley			
	5,694,388	12/1997	Sawahashi et al.			
	5,809,020	09/1998	Bruckert et al.			
	5,812,542	09/1998	Bruckert et al.			
	5,822,380	10/1998	Bottomley			
	5,822,701	10/1998	Tomisato et al.			
	5,886,987	03/1999	Yoshida et al.			
	5,903,834	05/1999	Wallstedt et al.			
	5,952,968	09/1999	McDowell			
	5,982,327	11/1999	Vook et al.			
	5,991,332	11/1999	Lomp et al.			
	6,009,074	12.19/99	Kim et al.			
	6,026,130	02/2000	Rahmatullah et al.			
	6,044,120	03/2000	Bar-David et al.			

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
26		6,067,324	05/2000	Harrison			
		6,081,566	06/2000	Molnar et al.			
		6,108,517	08/2000	Arsian et al.			
		6,147,985	11/2000	Bar-David et al.			
		6,148,041	11/2000	Dent			
		6,154,443	11/2000	Huang et al.			
		6,160,801	12/2000	Uchida et al.			
		6,161,209	12/2000	Moher			
		6,215,762	04/2001	Dent			
		6,335,954	01/2002	Bottomley et al.			
		6,459,740	10/2002	Lo			
		6,470,047	10/2002	Kleinerman et al.			
		6,470,192	10/2002	Karlsson et al.			
		6,483,866	11/2002	Suzuki			
		6,484,285	11/2002	Dent			
		6,501,788	12/2002	Wang et al.			
		6,501,803	12/2002	Alamouti et al.			
		6,556,634	04/2003	Dent			
		6,647,070	11/2003	Shalvi et al.			
		6,694,154	02/2004	Molnar et al.			
		6,697,441	02/2004	Bottomley et al.			
✓		6,731,700	05/2004	Yakhnich et al.			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JB</i>		2001/0030993	10/2001	Bottomely et al.			
<i>JB</i>		2002/003846	01/2002	Khayrallah et al.			
<i>JB</i>		2002/0122510	05/2002	Yakhnich et al.			
<i>JB</i>		2002/0181430	12/2002	Thomas et al.			
<i>JB</i>		2002/150187	10/2002	Chugg et al.			
<i>JB</i>		2002/154704	10/2002	Reshef			
<i>JB</i>		2003/0013468	01/2003	Khatri			
<i>JB</i>		2003/0053524	03/2003	Dent			
<i>JB</i>		2003/0058929	03/2003	Cox et al.			
<i>JB</i>		2003/0092456	05/2003	Dent			
<i>JB</i>	*	6,069,884 A	05/2000	Hayashi et al.			
<i>JB</i>	*	5,757,791	05/1998	Kanterakis et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>JB</i>		0 674 455	10/1994	EP				
<i>JB</i>		0 715 421	06/1996	EP				
<i>JB</i>		07 55 127 A2	01/1997	EP				
<i>JB</i>		0 820 157 A	01/1998	EP				
<i>JB</i>		08 81 781 A2	12/1998	EP				
<i>JB</i>		0 892 508	01/1999	EP				
<i>JB</i>		08 99 894 A2	03/1999	EP				
<i>JB</i>		22 80 575 A	02/1995	GB				

EXAMINER <i>CPA</i>	DATE CONSIDERED <i>7/17/05</i>
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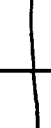

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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		94/01956	01/1994	WO				
		95/34140	12/1995	WO				
		96/11533	04/1996	WO				
		97/13386	04/1997	WO				
		99/04537	01/1999	WO				
		99/12283	03/1999	WO				
		99/52311	10/1999	WO				
		00/35159	06/2000	WO				
		00/44141	07/2000	WO				
		00/48330	08/2000	WO				
		00/69192	11/2000	WO				
		01/05088	01/2001	WO				
		01/28174	04/2001	WO				
		01/45289	06/2001	WO				
		02/09297	01/2002	WO				
		02/23787	03/2002	WO				
		02/065719	08/2002	WO				
		02/067444	08/2002	WO				
		02/084892	10/2002	WO				
			03/003604	01/2003	WO			
		03/010899	02/2003	WO				
		04/012341	02/2004	WO				

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Pahlavan et al., "Performance of Adaptive Matched Filter Receivers Over Fading Multipath Channels," IEEE Transactions on Communications, Vol. 38, No. 12, December 1990, pp. 2106-2113.	
		Latva-aho et al., "MMSE Detection for DS-CDMA Systems in Fading Channels," IEEE Transactions on Communications, Vol. 48, No. 2, February 2000, 194-199.	
		Majmudar et al., "Adaptive Single-User Receivers for Direct-Sequence Spread-Spectrum CDMA Systems," IEEE Transactions on Vehicular Technology, Vol. 49, No. 2, March 2000, pp. 379-389.	
		Foerster et al., "Coding for a Coherent DS-CDMA System Employing an MMSE Receiver in a Rayleigh Fading Channel," IEEE Transactions on Communications, Vol. 48, No. 6, June 2000, pp. 1012-1021.	

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